(No Model.) 2 Sheets—Sheet 1.

J. T. MAHONEY.

REGISTERING MONEY BOX.

No. 458,400. Patented Aug. 25, 1891.

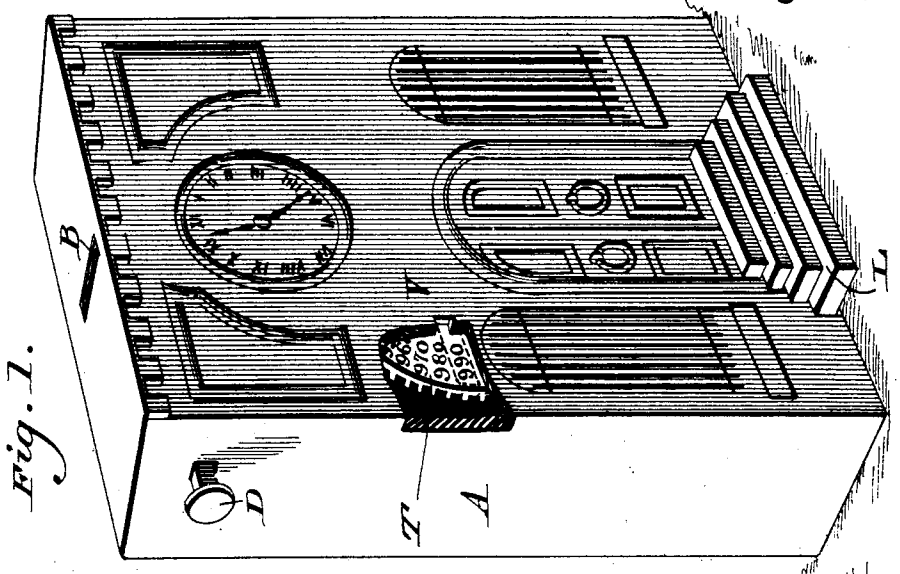


Fig. 1.

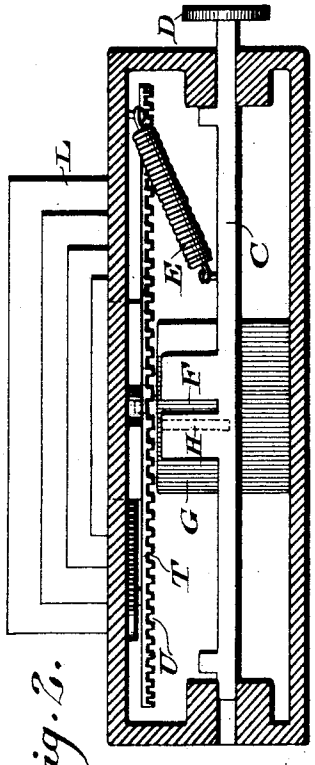


Fig. 2.

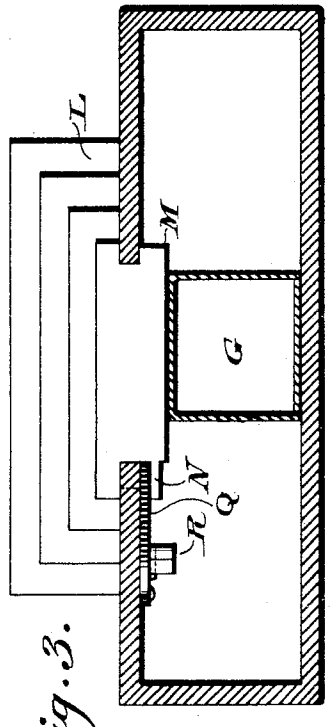


Fig. 3.

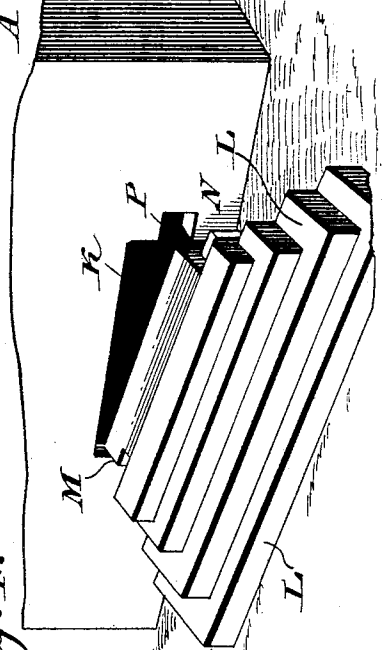


Fig. 4.

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(No Model.) 2 Sheets—Sheet 2.

J. T. MAHONEY.

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Fig. 6.

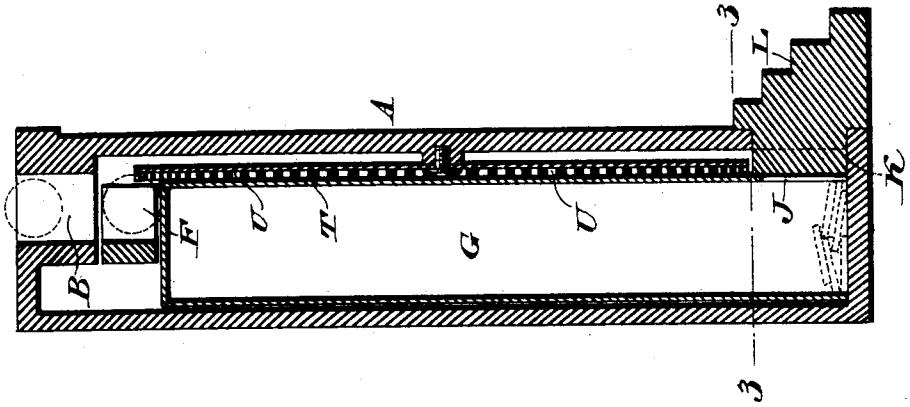
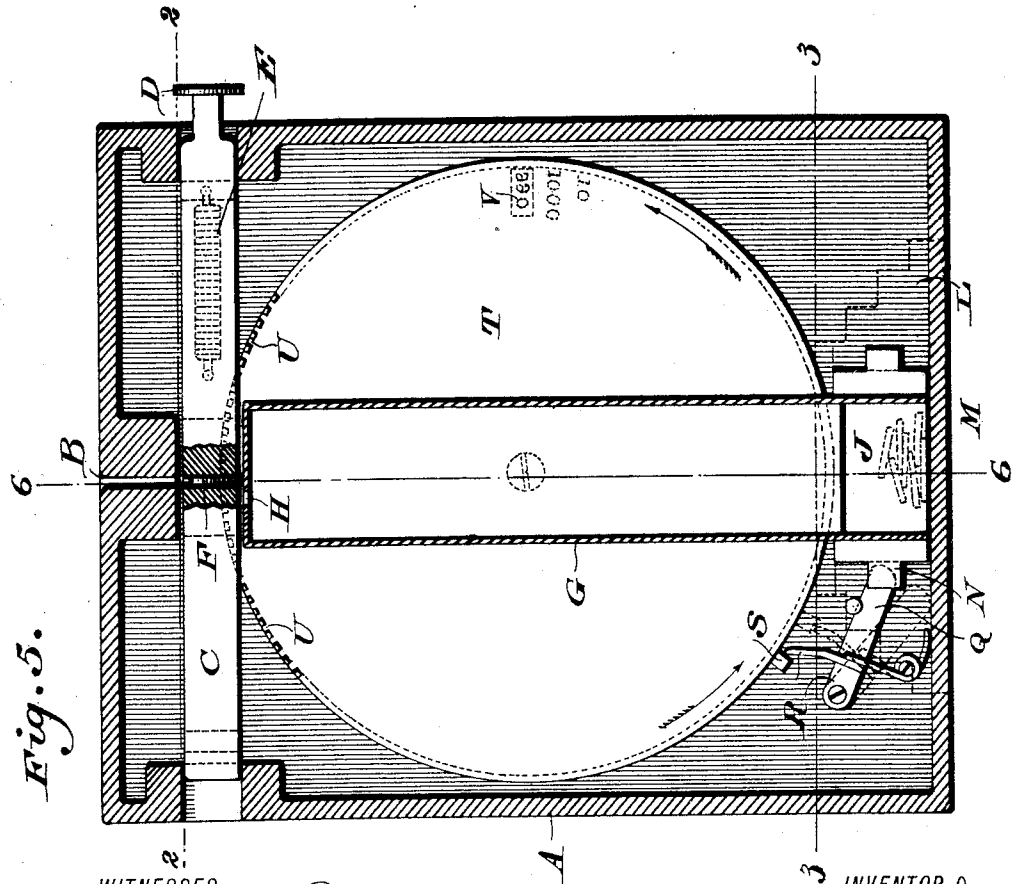


Fig. 5.



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JAMES THOMAS MAHONEY, OF PHILADELPHIA, PENNSYLVANIA.

REGISTERING MONEY-BOX.

SPECIFICATION forming part of Letters Patent No. 458,400, dated August 25, 1891.

Application filed February 24, 1891. Serial No. 382,534. (No model.)

To all whom it may concern:

Be it known that I, JAMES THOMAS MAHONEY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Registering Money-Boxes, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to registering money-boxes; and it consists of a box having a carrier and a toothed wheel, the latter adapted to receive part of a coin, the remainder of which is within the carrier, whereby the coin locks said wheel and carrier and the movement of the carrier causes the rotation of the wheel conveying the coin to a receiving-box.

It further consists of a box having a coin-inlet, a carrier within said box having a coin-receiving slot, a wheel in said box having teeth adapted to register with said slots and engaged by one side of the coin to revolve the wheel, and a receptacle with a slot adapted to receive the coin from the wheel.

It also consists of means for automatically opening the box when the full amount of money indicated by the register has been deposited.

It also consists of the combination of parts hereinafter set forth and claimed.

Figure 1 represents a perspective view of a registering money-box embodying my invention. Fig. 2 represents a horizontal section on line 2 2, Fig. 5. Fig. 3 represents a horizontal section on line 3 3, Figs. 5 and 6. Fig. 4 represents a perspective view of the lower portion of the box in open condition. Fig. 5 represents a vertical section of the box on a scale enlarged from that in Fig. 1. Fig. 6 represents a transverse vertical section on line 6 6, Fig. 5.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a box, which is provided with a slot B in the top thereof for the introduction of money thereinto.

C designates a horizontally-arranged slide or carrier, which is mounted in the box below the top thereof and provided with a knob or handle D outside of the same, whereby advancing motion may be imparted to said slide, the return motion being accomplished by the action of a spring E, which is connected with the slide and box, as most clearly shown in Fig. 2. In the slide is a vertical slot F, which registers with the slot B when the slide is in normal position.

G designates a receptacle for the money, the same having a slot H in the top thereof, which slot is out of line of the slot F when the slide is in its normal position, so as not to register therewith. The bottom of the receptacle has an outlet J, which registers with an opening K in the front wall of the box A, so that the coin or money can be removed from the latter when so desired, said opening being primarily closed by a removable block L, which in the present case is of the form of steps, it being noticed that the front of the box simulates a bank-building. On the back of the block are tongues M N, the tongue M being adapted to engage with one of the side walls of the opening K, while the tongue N is passed through a recess P into the box, where it is engaged by a spring-pressed lever Q, so that the block is held in locked position from within the box, thus closing both discharge-openings K J. The lever Q is pivoted within the box A and provided with an arm R, which is adapted to be tripped by a detent S on the periphery of a registering-wheel T, which is mounted within the box A and has a row of circumferential teeth U, which are set horizontally or parallel with the axis of the wheel and so disposed that the space between the two teeth at the top of the wheel registers with the slot F, as will be seen in Figs. 2, 5, and 6. On the front face of the wheel T are numbers, in the present case in tens, the same being successively exposed when the wheel is rotated through the slot V in the front of the box, the wheel in the present case being adapted to register ten dollars in dimes.

The operation is as follows: A dime is inserted in the slot B, and the same drops therefrom into the slot F and between two teeth of the wheel T, whereby the slide or carrier C is coupled with said wheel. The slide is then pushed in, whereby, as it carries the coin with it, motion is imparted to the wheel, the

lower portion of the coin projecting between the teeth at the top of said wheel. As the wheel rotates, the amount received is registered at the slot V—in the present case 990, or ninety-nine dimes. When the coin reaches the slot H of the receptacle G, as the slot F is open at the bottom, said coin drops into the receptacle, and it is thus inaccessible. The slide F is now let go, and owing to the action of the spring E returns to its normal position. On the insertion of another coin and the operation of the slide C the wheel is again rotated and said coin deposited in the receptacle G. The wheel now registers the highest amount—in the present case 1,000, or one hundred dimes. Meanwhile the detent has pressed the arm R, whereby the lever Q is moved clear of the tongue N, so that the block L may be removed, thus uncovering the openings J K, so that the money may be removed. The block may then be restored, thus closing the openings K J, and when another coin is inserted and deposited, the wheel registering ten as the starting-point, indicating the reception of one dime, the detent S trips the arm R, so that the lever is caused by its spring to return to its normal position, engaging with the tongue N, so as to lock the same, and thus again secure the piece or block within the box.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A box provided with a coin inlet or slot, a carrier having a coin-receiving slot within said box, a wheel mounted in said box having teeth adapted to register with said slots and engaged by one side of the coin to revolve the wheel, and a receptacle provided with a slot, with which the coin-receiving slot of the carrier may be placed into communication, said parts being combined substantially as described.

2. A money-box having a carrier and a toothed wheel, which latter is adapted to receive part of a coin, the remainder of which is within said carrier, whereby the coin locks said carrier and wheel and engages the teeth of and causes the rotation of the wheel when the carrier is operated, so as to convey the coin to a place of entrance into the receiving portion of the box, substantially as described.

3. A money-box having a discharge-opening and a closing-piece therefor, a lever for locking said piece, and a registering-wheel provided with a detent which is adapted to engage with said lever, combined with a slotted carrier adapted to receive a coin, which couples said wheel and carrier, whereby the rotation of the wheel causes the automatic release of the closing-piece, said parts being arranged substantially as described.

4. In a money-box, a piece or block adapted to close the discharge-opening of said box, the same being provided with a tongue which engages with the wall of the box, and another tongue engaged by a lever mounted in said box, in combination with a toothed wheel actuated by direct engagement therewith of a coin and carrying a detent adapted to be advanced to said lever and move the same, thus releasing the closing-piece, substantially as described.

5. A money-box having a coin inlet or slot, a carrier with a slot to receive the coin, a registering-wheel with teeth adapted to be in communication with said slots, and a coin-receptacle having a slot out of line with the coin inlet or slot, adapted to be placed in communication with the slot of the carrier, whereby the inserted coin is temporarily deposited in the carrier, interlocks the registering-wheel with said carrier, and is then conveyed to the slot of the receptacle, so as to drop thereinto, the parts being combined substantially as described.

6. A money-box having a coin-inlet, a coin-carrier, a registering-wheel having its teeth partly receiving the coin and interlocking the wheel with the carrier, a receptacle for the coin, adapted to be placed in communication with the carrier when the latter is advanced and the wheel rotated, a piece for closing the discharge-opening of the box, and a lever controlling said piece, said wheel having a detent which engages with the lever when the complete register is effected, thus interlocking the closing-piece, said parts being combined substantially as described.

7. A money-box having a discharge-opening K and a receptacle within the box having an opening J, registering therewith, in combination with a piece or block L, closing both openings K J and having tongues M N, one of which interlocks with the wall of the opening K, a spring-pressed lever Q, engaging the other tongue within the box, a toothed registering-wheel engaged by said lever, so that when the predetermined amount is deposited in the box the lever is automatically operated to release the closing-piece L, and a slotted carrier to receive the coin in position to engage the teeth of the wheel and operate the same, substantially as described.

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Witnesses:
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